

Gowri Sankar K

Lead Software Engineer

Experienced Software Engineer with a proven track record spanning over 5 years, adept at conceiving, developing applications from inception to full-fledged production.

Experience

Presidio Cloud Solutions – Lead Software Engineer

September-2020 - Current – 3+ years, Bangalore.

- As a full-stack developer and AWS cloud solution architect, I took charge of developing the chatbot application for the **Autodesk** client.
- Developed various React components as libraries using JFrog artifactory and Storybook for the chatbot to make the chat workflow more interactive for the users.
- Developed a Java backend to interact with IBM Watson and the Rasa framework to get the chat dialog management workflow response for the chatbot user interactions.
- Developed a Node.js backend with a GraphQL API architecture style to interact with custom data models to give prompt responses to NLU input from the chatbot.
- Developed an independent frontend JavaScript rule engine for the chatbot dialog management workflow and published it as a React library.
- Deployed and managed the Rasa models and action server in the AWS EKS cluster, the Java backend application in AWS EC2 with ALB and ASG, the Node.js and GraphQL applications in AWS Lambda and AppSync using Serverless Architecture, and the Snowplow analytics infrastructure in AWS ECS and AWS Kinesis.
- Developed the new chat bot to make the download process of Autodesk products easier with the Rasa framework, LLM (Large Language Model–OpenAI) and with Go microservice.
- As a full-stack developer and AWS cloud solution architect, I took charge of developing the healthcare web application for the patient's appointment booking for the **EHE** client.
- Proposed the new infrastructure plan to reduce the AWS billing cost to migrate the data layer from AWS RDS to AWS Aurora Service. And successfully made the infrastructure changes and made a huge AWS cost optimization.
- Migrated the Java 8 Gradle and Maven applications to Java 17 and fixed all memory leak issues and security vulnerabilities.

IVTL Infoview Technologies Private Limited- Software Engineer

June-2018 - September-2020 – 2 year 3 months, Chennai.

- As a full-stack developer, I am responsible for developing ERP SCM modules as web applications(Spring Boot, Angular 8) using microservice architecture for the product HUE.
- Key Contributions: Joined as the second person in a team for migrating the monolithic application architecture into microservices architecture and successfully delivered it.
- Developed the interface to migrate all search-related data from primary database (Maria DB) to Elasticsearch.

Education

Bannari Amman Institute of Technology – B.Tech (IT), CGPA - 8.56

2014 - 2018, Tamil Nadu, India



gowrikrish96@gmail.com

+91 7598212154

[Linkedin](#)

[Medium](#)

Tech Skills

- Programming Languages: JavaScript, Java, Go
- Web Development: React.js, Next.js, Node.js, Web3.js
- Frameworks: Spring Framework, Express.js, Echo, Gin
- Dialog Management Tools: IBM Watson, Rasa
- Cloud: AWS
- Container Tools: Docker, Kubernetes
- API Architecture Styles: REST, GraphQL
- Programming: FP, OOPS
- Design Patterns
- Databases: SQL, NoSQL
- Data Analytics: Mixpanel, Snowplow

Achievements

- Published chrome extension as Google meet chat mailer.
- First Prize Winner - Hackathon for Terraform state restoration(One Presidio 2022).
- Published 10 NPM Libraries at Autodesk.
- Published 2 medium blogs.
- Got 2 Spot awards and 1 Above and Beyond award at Presidio.
- Done a tech talk on using LLM with blockchains and demonstrated the POC.
- Certifications: Oracle Certification Associate, Java SE 8 Programmer(2018), Oracle Certified Professional, Java SE 6 Programmer(2017).

Testimonial

- Gowri had demonstrated great skills and dedication by taking complete ownership of the project and delivered multiple critical releases. The professionalism and the endless hours that Gowri have spent has been immensely impressive – Presidio Management